

GENERAL MICROBIOLOGY



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PREFACE

The field of applied science dealing with practical or economic aspects of the subject, lends itself better to such treatment than does the field of pure science. This is particularly true of science of Microbiology. From earliest time microbes have been intimately associated with human existence, in the process of alcoholic fermentation, food preparation, as pathogens and in industrial processes, etc. So, a knowledge of industrial, medicinal and food microbiology, as well as Environmental and Agricultural Microbiology need emphasis to meet our demands of genetic engineering for human benefit; cannot fail to broaden one's outlook.

For some years past there has been an ever-increasing demand among students of basic courses in the science of Microbiology, that the books available are too lengthy and course material is scattered in many books. For the major part microbiology courses have been conducted with the supposition that it will lay the foundation for further advanced research work in the field, as well as, help in increasing biotechnologically trained manpower for a developing country like ours.

Even though the problem of incorporating a considerable amount of subject knowledge in a book of Microbiology is required, but the limitations of time or various curricula, render usually such procedure impracticable.

So, the present book is the outgrowth of several years of teaching, and an extension of the book on "*Pharmaceutical Microbiology*" of the author; which deals with field of Microbiology, in a comprehensive style.

The author wishes at this time to express his sincere appreciation for all assistance in terms of editing and proof-reading of the manuscript by **Dr. (Ms.) Premlata Vikal**, during preparation of this book.

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Prof. Kamal Kapoor

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